



DoD High Performance Computing Modernization Program
2004 Users Group Conference
Williamsburg, VA
June 7-11, 2004
Call for Abstracts and Papers -- **Revision 1**

The DoD High Performance Computing Modernization Program Office invites users of High Performance Computing Modernization Program (HPCMP) resources to submit abstracts of technical papers and posters to be presented at the 2004 DoD HPCMP Users Group Conference (UGC). The conference, to be held June 7-11, at the Williamsburg Marriot, Williamsburg, VA, offers the opportunity to exchange information on accomplishments using HPCMP resources. The Conference will be closed to the general public; attendance is limited to individuals with a direct relationship to the HPCMP. Oral presentations will be 30 minutes long including 5 minutes for questions. Authors should address the scientific or technical problem that motivated their research, the technical approach and methodology, the HPCMP resources used to solve the problem, and the findings or insights gained in solving the problem. Authors should also address the computer science aspects of the computation, such as details on the approach to parallelization, optimization, debugging, visualization, or portability. Although the focus of papers/posters is on accomplishments made which involved use of HPCMP resources, submissions on new topics of potentially widespread interest to DoD users will also be considered.

Beginning in 2003, the HPCMP replaced the *HPC Contributions to DoD Mission Success* technical report ("Success Stories") with a conference proceedings published by the IEEE Computer Society. These proceedings of the DoD HPCMP Users Group Conference will be published as a referenced record of the depth and breadth of activity using HPCMP resources within the DoD. In addition, a subset of approximately six papers will be selected for a special edition of a future IEEE Computer Society publication focusing on high performance computing.

The abstracts for contributed talks must be:

- written in the abstract format described below,
- cleared for public release before submission to the UGC Program Committee, and
- received in electronic form by the Program Committee at presentations@hpcmo.hpc.mil by March 12, 2004.

In addition, authors of accepted abstracts are invited to write a technical paper that may be published by the IEEE society in the annual proceedings of the UGC. The technical papers for accepted talks must be:

- written in the technical paper format described below,
- cleared for public release before submission to the UGC Program Committee, and
- received by the Program Committee by June 2, 2004.

As discussed above, the Conference is closed to the general public so that presentations that are considered sensitive but unclassified can be discussed. Any abstracts or papers that are generated for publication, however, must receive DoD approval (clearance) for public release by the appropriate release authority before they will be considered for publication. If your computational work is basic research (6.1 funded), please provide us a Point of Contact at the appropriate agency and no further clearance is required. If you are unclear about the procedures for obtaining a clearance, contact your local Public Affairs Office (government), your Service/Agency Approval Authority (S/AAA), or the contracting officer of the DoD organization sponsoring your research (academia/industry).

As an IEEE published publication, the audience for contributed abstracts and papers presented at the annual HPCMP UGC includes representatives from Congress, DoD leaders, laboratory and test center leaders, and researchers in the HPC community. Technical contributions must emphasize both relevance to the DoD and technical excellence.

Electronic files should use the following naming convention:

abstracts: last-name-of-first-author_abstract_2004

technical paper: last-name-of-first-author_paper_2004

If you are submitting more than one paper/abstract, please include a “1”, “2”, or appropriate number in the naming convention. For the second abstract and associated image, for example, the naming convention would be:

Last name of first author_abstract2_2004

Last name of first author_image2_2004

Abstracts and technical papers must be submitted separately as either PDF or Word documents. **Abstracts should be text only and no longer than one page.** Technical papers should be between four to eight pages long including all figures and references. Due to publication costs, please limit your use of color graphics (pictures, charts, etc) to two per story unless you feel you can’t adequately demonstrate the science without using more color graphics. There is no limit on black and white graphics.

The Program Committee will deliver an acceptance decision of a contributed abstract by April 5, 2004. Instructions on exact paper preparation and submittal will be provided with the notification of acceptance. A schedule for presentations will be provided in early May.

The following additional information will be required to submit the abstract:

1. author name(s) and email address(s)
2. author(s) organization(s)
3. HPCMP computational project number, and
4. presentation type (oral, poster, either).

In order to provide a final conference schedule in early May, the March deadline for abstracts must be met. Abstracts received after that deadline will not be considered. If presenters wish to submit a full paper for publication in the IEEE proceedings, it must be submitted by June 2, 2004. At least one full paper is required for each continuing Challenge Project.

For additional information, please contact the Technical Papers Chair for the 2004 DoD Users Group Conference at techchair@hpcmo.hpc.mil.